Roll	No (For All Sessions)	Marks : 68
Biology (Subjective) (GROUP-II) Time:		Time: 2:40 Hours
SECTION-I		
2.	Write short answers of any eight parts from the following:	(8x2=16)
i.	What is the difference between fibrous proteins and globular proteins?	
ii.	What are inhibitors? Write their two types. iii. Differentiate between apoenzyme & ho	oloenzyme.
iv.	The low and high temperature respectively affect an enzyme activity. How?	
٧.	Enlist four types of asexual reproduction in fungi. vi. What is aspergillosis? Name the fungu	s which causes it.
vii.	Enlist four examples of sponges with their habitat.	
viii.	Define polymorphism. What is the generic name of 'Portuguese man of war'?	
ix.	Give names of any two sub-classes of mammalia.	
X.	What is Notochord? State its function. xi. Differentiate between catabolism and anabolism.	
xii.		
3.	Write short answers of any eight parts from the following:	(8x2=16)
i.		
ű.	Write down attributes of population.	\bigcirc /
iii.	The state of the s	
iv.	What is chemical composition of bacterial (Prokaryote) cell wall?	
٧.	How would you differentiate fungus-like protists and fungi?	
vi.	What are amoebas? Give their types	
vii.	What functions are performed by micronuclei and macronuclei in ciliates?	
viii.	Why Euglenoids are placed in Algae as well as in Protozoa?	
ix.	How does temperature affect the oxygen carrying capacity of Haemoglobin?	
х.	How does the skin of earthworm is kept moist for the exchange of respiratory gases?	
xi.	Differentiate Antigen and Antibody.	
xii.	What is the difference between single circuit and double circuit Heart?	(Ev2-12)
4 .	Write short answers of any six parts from the following:	(6x2=12)
i.	What are the pocks? Give their cause. Ii. Write the difference between archaeo bacteria & eubacteria?	
iii.	Differentiate the Archegonia and Antheridia. iv. What is circinate vernation? Give an example. What do you know about annulus and stomium? vi. How can adipose tissue is formed?	
V.		
vii.		sy begin:
ix. Why humans develop intestinal gas from consuming milk products? SECTION-II		
Note	Attempt any three questions. Each question carries equal marks:	(8x3=24)
5. (a)	What is an organ? Discuss organ and organ system level of organization.	(2+2=4)
(b)	How CO_2 is transported from tissues to lungs?	(4)
6. (a)	What is RNA? Describe its three types. (b) Give economic losses due to fungi.	(1+3=4) & (4)
7. (a)	What are plastids? Give three types & explain chloroplast in detail and draw its labeled diagram.	(1/2+1/2+2+1=4)
(b)	Explain role of pancreas and liver in digestion in human beings.	(2+2=4)
8. (a)	Write detailed note on AIDS.	(4)
(b)	Discuss symptoms and reasons of Leucaemia and thalassaemia.	(2+2=4)

What is photophosphorylation? Discuss non-cyclic photophosphorylation in plants. 832-11-A

9. (a)

(b)

Discuss nutrition in bacteria.

(4)

(1+3=4)